

CLAIMS

It is claimed:

1. An optical disc playback apparatus which makes an optical disc rotate at given rotational speed and reproduces a record signal based on light reflected from the optical disc, comprising:

a jitter amount detector that detects a jitter amount based on a signal obtained from said reflected light; and

a rotational speed adjustment circuit that adjusts said rotational speed of said optical disc based on said jitter amount.

2. The optical disc playback apparatus according to claim 1, wherein said rotational speed adjustment circuit performs said adjusting of said rotational speed prior to said reproducing from said optical disc.

3. The optical disc playback apparatus according to claim 1, wherein said rotational speed adjustment circuit adjusts said rotational speed to be multiplied speed when said jitter amount is equal or less than a threshold value.

4. The optical disc playback apparatus according to claim 2, wherein said rotational speed adjustment circuit adjusts said rotational speed to be multiplied speed when said jitter amount is equal or less than a threshold value.

5. An optical disc playback apparatus which makes an optical disc rotate at given rotational speed and reproduces a record signal based on light reflected from the optical disc, comprising:

an error rate amount detector that detects an error rate amount based on a signal obtained from said reflected light; and

a rotational speed adjustment circuit that adjusts said rotational speed of said optical disc based on said error rate amount.

6. The optical disc playback apparatus according to claim 5, wherein said rotational speed adjustment circuit performs said adjusting of said rotational speed during said reproducing from said optical disc.

7. The optical disc playback apparatus according to claim 5, wherein said rotational speed adjustment circuit adjusts said rotational speed to be multiplied speed when said error rate amount is equal or less than a threshold value.

8. The optical disc playback apparatus according to claim 6, wherein said rotational speed adjustment circuit adjusts said rotational speed to be multiplied speed when said error rate amount is equal or less than a threshold value.

9. An optical disc playback apparatus which makes an optical disc rotate at given rotational speed and reproduces a record signal based on light reflected from the optical disc, comprising:

a jitter amount detection circuit that detects a jitter amount based on a signal obtained from said reflected light;

a first rotational speed adjustment circuit that adjusts said rotational speed of said optical disc based on said jitter amount;

an error rate amount detector that detects an error rate amount based on a signal obtained from said reflected light; and

a second rotational speed adjustment circuit that adjusts said rotational speed of said optical disc based on said error rate amount.

10. A microcomputer used in an optical disc playback apparatus according to any one of claims 1 through 8, which functions at least as said rotational speed adjustment circuit.

11. A microcomputer used in an optical disc playback apparatus according to claim 9, which functions at least as said first and second rotational speed adjustment circuits.

12. A rotational speed control method for an optical disc playback apparatus which makes an optical disc rotate at given rotational speed and reproduces a record signal based on light reflected from the optical disc, said method comprising the steps of:

detecting a jitter amount based on a signal obtained from said reflected light; and

adjusting said rotational speed of said optical disc based on said jitter amount.

13. A rotational speed control method for an optical disc playback apparatus which makes an optical disc rotate at given rotational speed and reproduces a record signal based on light reflected from the optical disc, said method comprising the steps of:

detecting an error rate amount based on a signal obtained from said reflected light;
and

adjusting said rotational speed of said optical disc based on said error rate amount.

14. A rotational speed control method for an optical disc playback apparatus which makes an optical disc rotate at given rotational speed and reproduces a record signal based on light reflected from the optical disc, said method comprising the steps of:

detecting a jitter amount based on a signal obtained from said reflected light;
adjusting said rotational speed of said optical disc based on said jitter amount;
detecting an error rate amount based on a signal obtained from said reflected light;
and

adjusting said rotational speed of said optical disc based on said error rate amount.